



Hurricane Thompson Briefing # 2

5 PM - Friday September 2, 2022

What has changed: Track slightly further east and faster

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Situation Overview

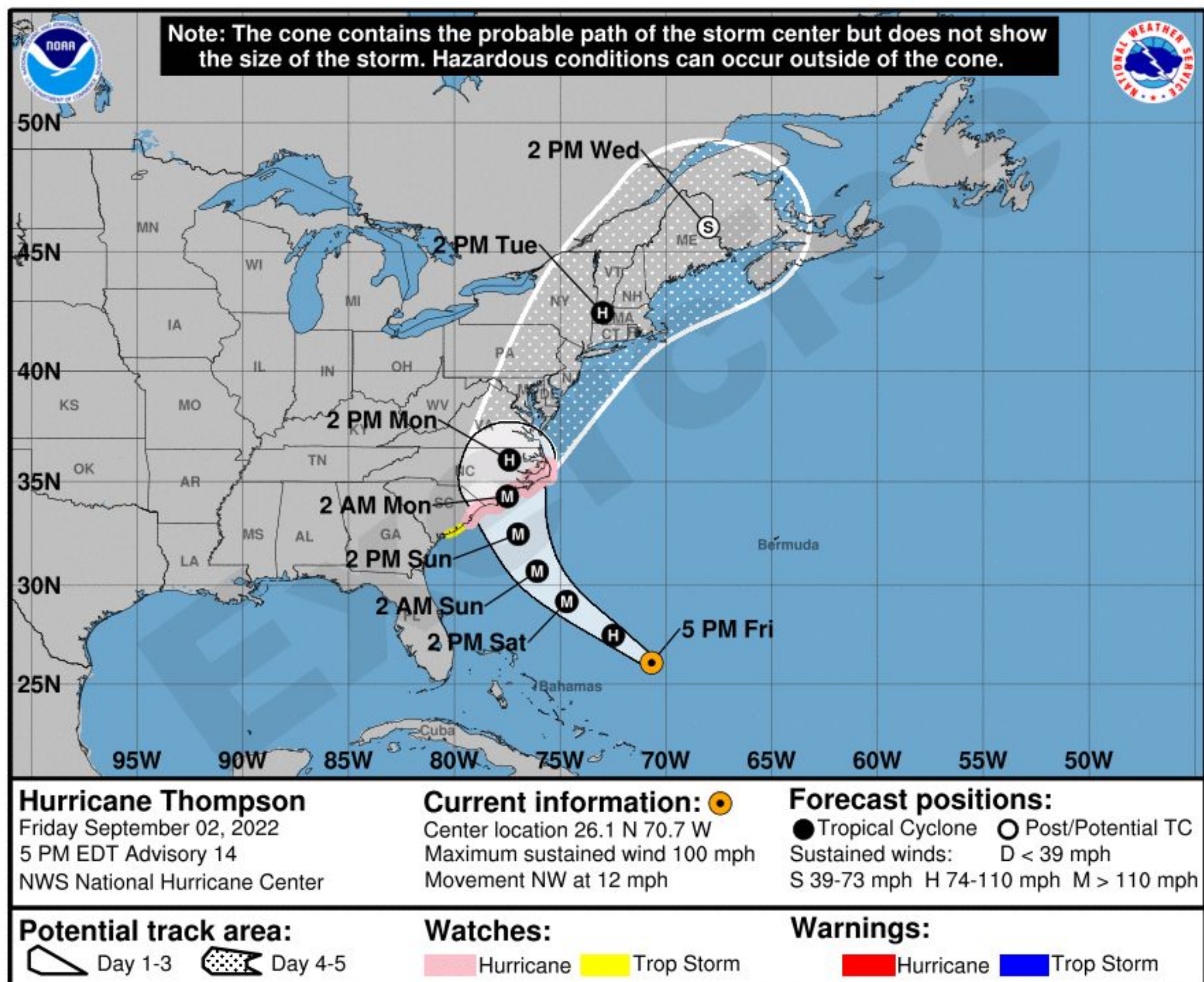
Hurricane Thompson

- Increasing threat for impacts from Hurricane Thompson, if not landfall somewhere along the South Coast.
- Storm timing looks to be late Labor Day (Monday) into Tuesday as a Hurricane
- Threats include:
 - Damaging winds and dangerous marine conditions
 - Flooding rain along and west of track
 - Storm surge flooding possible - dependent on track and timing



Situation Overview

Hurricane Thompson

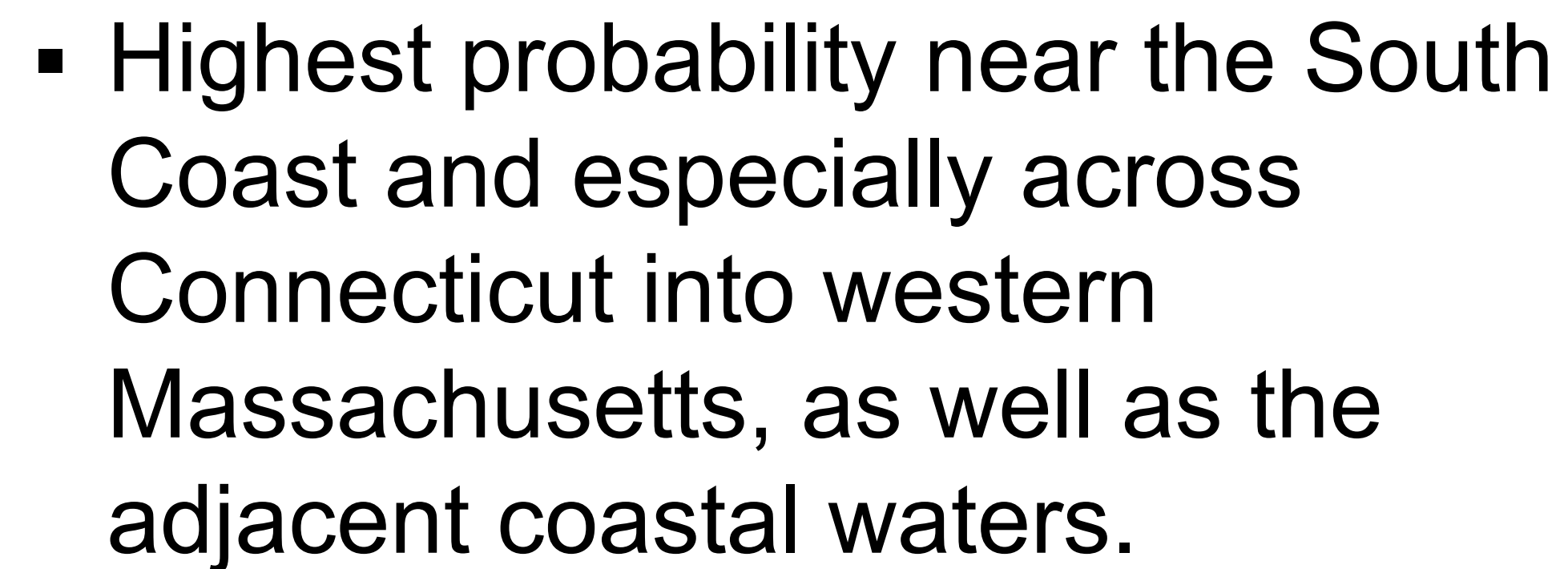


- No Watches or Warnings in effect for southern New England.
- Cone represents historical error and impacts can occur outside of the cone
 - Storm stays within cone 2/3 of time
 - Storm can track outside 1/3 of time

NOTE: Do not focus on the exact track.
Impacts can occur well outside the area enclosed by the cone.



Hurricane Thompson



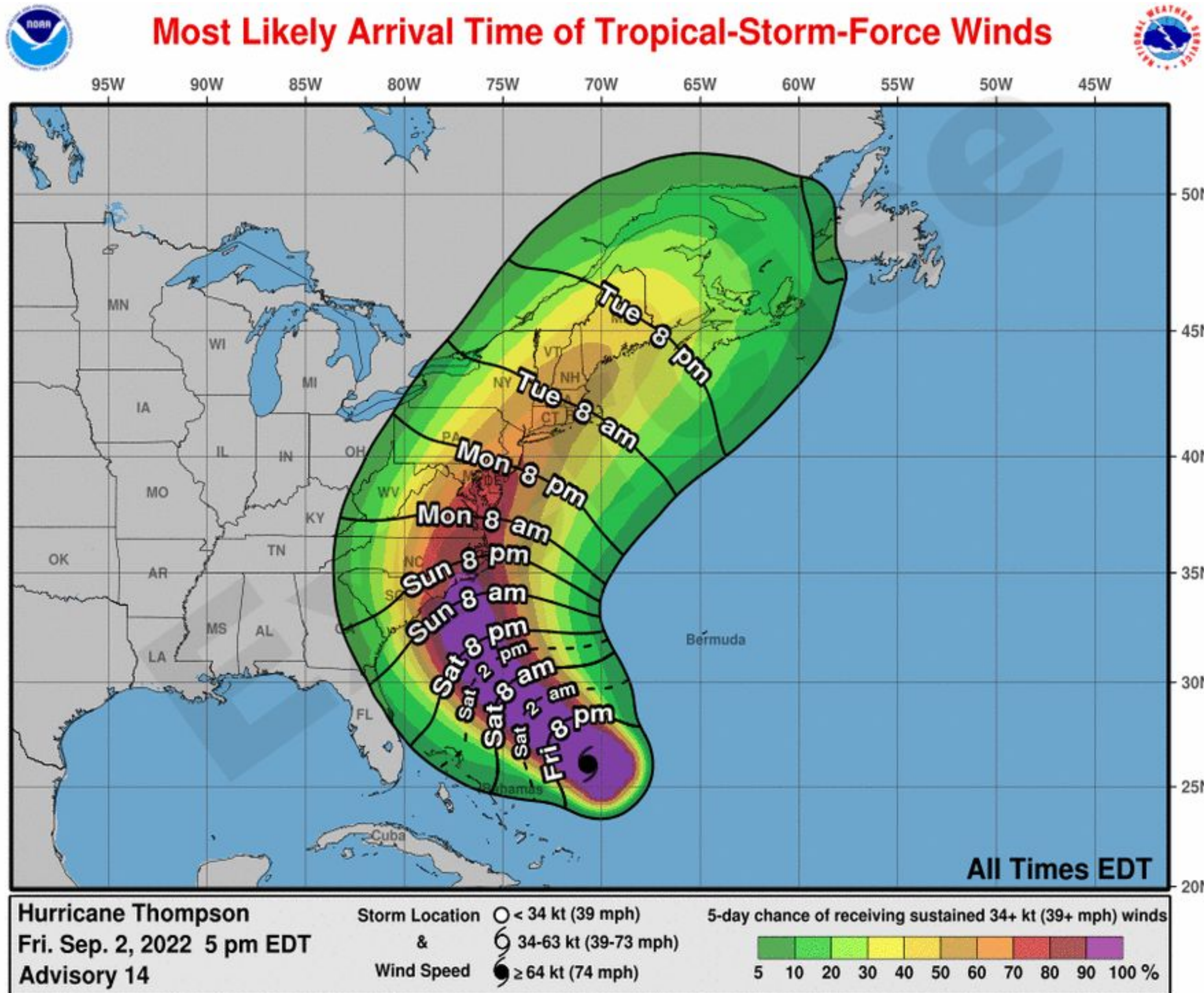
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Most Likely Time of Arrival

Hurricane Thompson

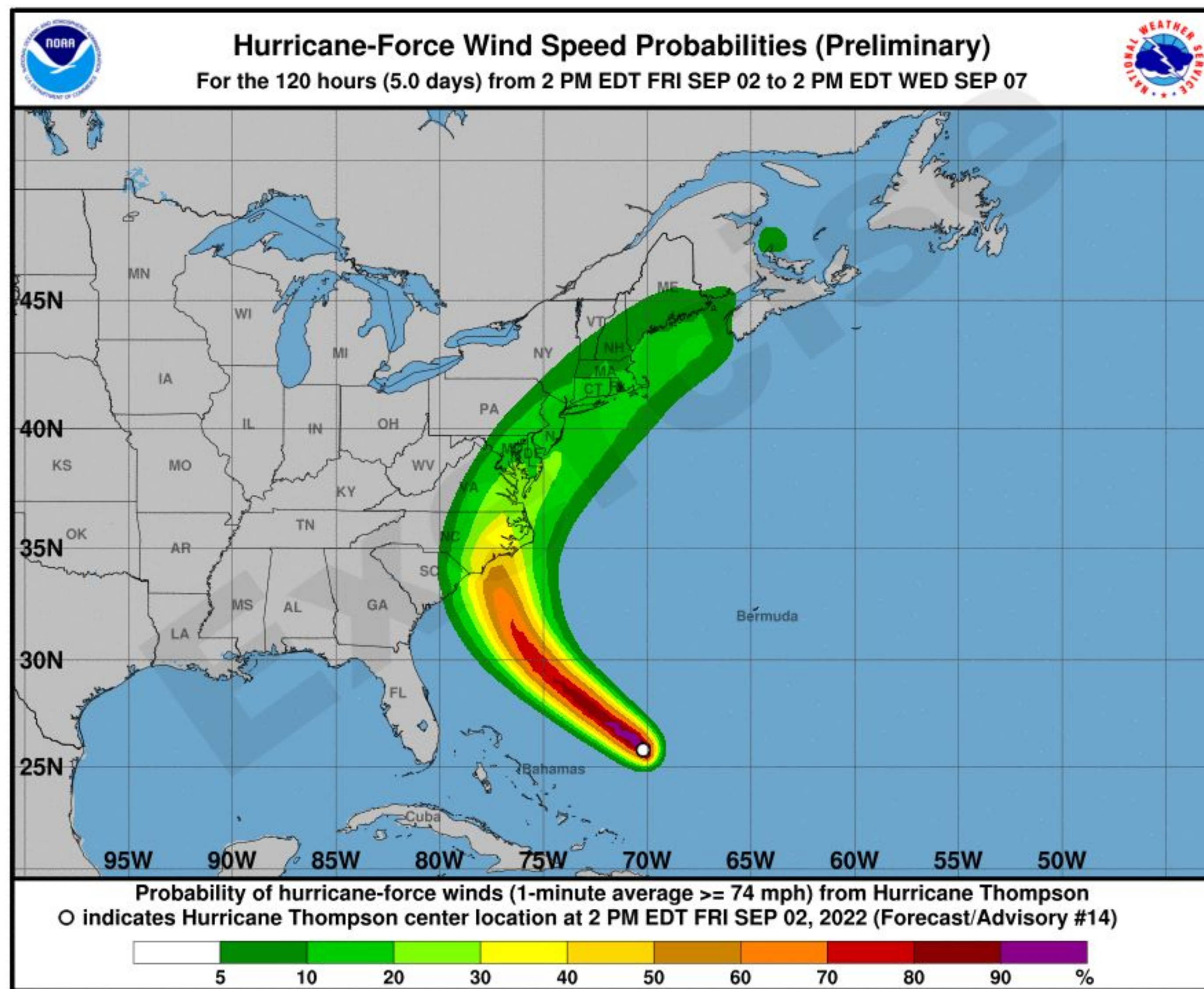


- The most likely time of arrival of Tropical Storm Force winds is Tuesday morning.
- However, this area could see Tropical Storm Force Winds as early as Monday night.



Hurricane Wind Speed Probabilities

Hurricane Thompson



- Highest probability across the South Coast, as well as the adjacent coastal waters.

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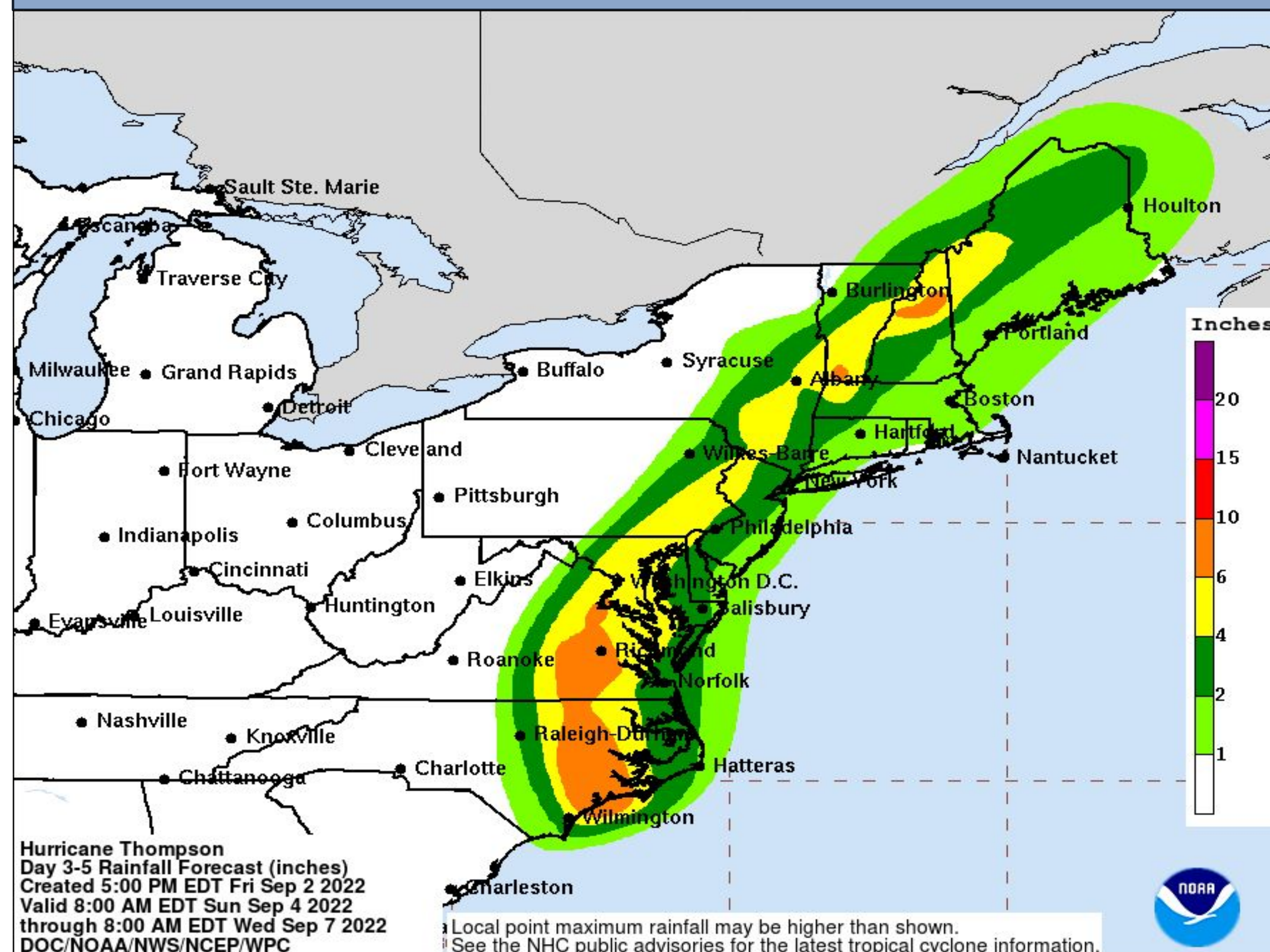
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Expected Storm Total Rainfall

Hurricane Thompson

Note: There will likely be locally higher amounts



- Storm Total rainfall is shown here from Sunday through Wednesday...majority falling over southern New England on Tuesday.
- 4 to 6 inches of rain is forecast in western MA and northwest CT.
- This may cause significant flash flooding, urban flooding, and some main stem river flooding.



Flood Hazard Outlook

Hurricane Thompson



Hurricane Thompson 7-Day Flood Hazard Outlook (Prototype)

Includes Flash, River and Tidal Flood Hazards

NWC National Water Center

Issued: 2022-09-02 4:00 PM CDT (21:00 UTC) | Valid Through: 2022-09-09 4:00 PM CDT (21:00 UTC) | Next Issuance: 2022-09-03 6:30 AM CDT (11:30 UTC)

Flood Hazard Messages

Eastern North Carolina and Virginia

- The National Hurricane Center (NHC) is forecasting the possibility of dangerous, life-threatening inundation from storm surge. For more information visit hurricanes.gov.

- Considerable and life-threatening flash, urban and small stream flooding impacts, and rises to widespread moderate and isolated major river flooding is likely beginning Saturday afternoon.

Mid Atlantic

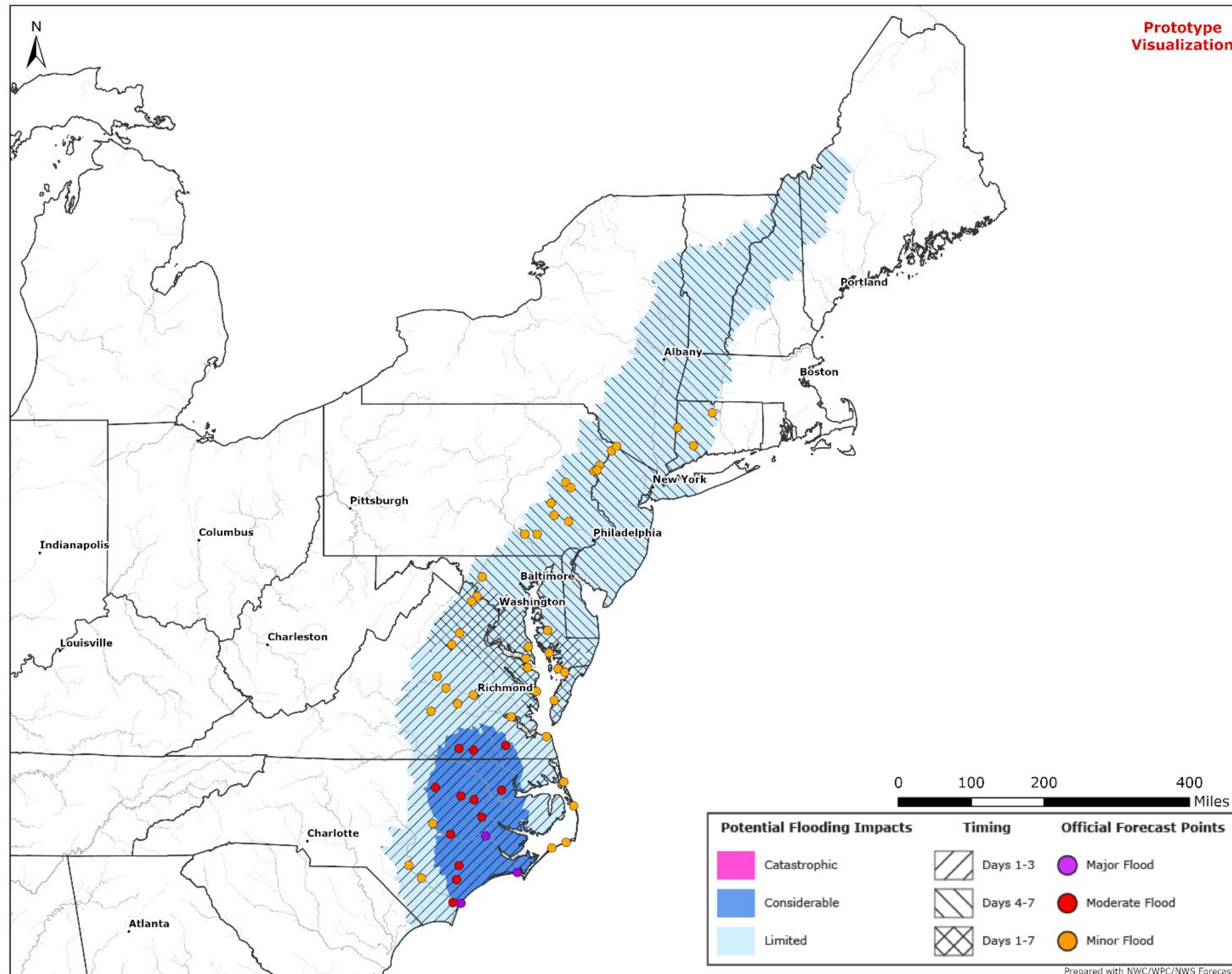
- As Thompson continues its trajectory up the east coast, flash, urban and small stream flooding impacts, and river flooding is likely beginning Sunday. Current river forecasts do not currently include the entirety of expected rainfall, however confidence is increasing in significant river flooding early next week.

Northeast

- Minor flooding and elevated streamflows continue across the region. Soils are near saturation, leaving little to no room for infiltration, and enhancing runoff potential.

- Although the majority of Thompson's precipitation is not included in current river forecasts, confidence is increasing that new and renewed significant river flooding is likely.

Disclaimer: This outlook provides an overview of potential flooding impacts. Please refer to detailed products issued by local National Weather Service offices for official forecasts and warnings. (www.weather.gov)



- Housatonic River
 - at Gaylordsville and Stevenson Dam, CT
- Farmington River
 - at Simsbury

About this product: https://nws.weather.gov/products/PDD/PDD_PrototypeFloodHazardOutlookProduct_2021.pdf | To provide feedback: https://nws.weather.gov/products/PDD/PDD_PrototypeFloodHazardOutlookProduct_2021.pdf

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Key Take-Aways

Hurricane Thompson

Confidence is high that the event will occur

Confidence is moderate regarding impacts - timing is late Labor Day (Monday) into Tuesday



Damaging winds possible



Dangerous marine conditions - tropical storm or even hurricane-force winds and high seas.



Rainfall flooding possible, especially along and west of Thompson's track.



Surge flooding possible - locations depend on track and timing, which is uncertain at this time.



Key Messages

Hurricane Thompson

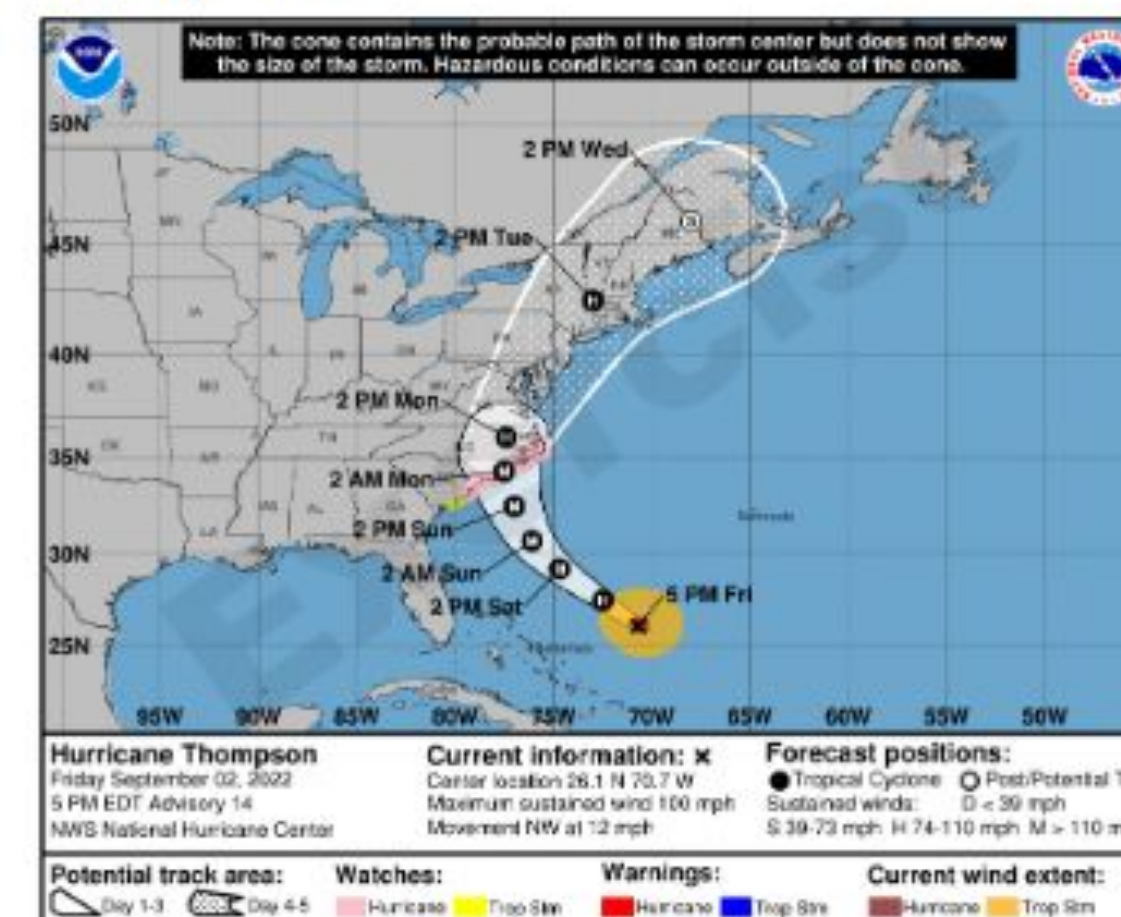


Key Messages for Hurricane Thompson

Advisory 14: 5:00 PM EDT Fri Sep 2, 2022



1. A Hurricane Watch is in effect for portions of the coasts of North and South Carolina. Hurricane conditions are possible within the watch area beginning on Sunday. Residents in these areas should follow the advice given by local officials.
2. There is an increasing risk of strong winds and storm surge inundation from Thompson along portions of the Mid-Atlantic and northeastern U.S. coasts early next week. Watches will likely be required for parts of these areas on Saturday, and interests along the U.S. East Coast should monitor the latest forecast updates.
3. Thompson is likely to produce heavy rainfall Sunday in the Mid-Atlantic, particularly in eastern North Carolina and eastern Virginia, resulting in considerable and life-threatening flooding impacts. Heavy rainfall and flooding impacts may also extend into the Northeast on Monday, the Labor Day holiday, and early Tuesday.



For more information go to hurricanes.gov